

METHOD AND APPARATUS FOR MICRO-DISSECTION OF VASCULAR OCCLUSIONS

ABSTRACT OF THE DISCLOSURE

A method and apparatus for micro-dissection of vascular occlusions are provided wherein two or more tissue expansion members are coupled with a base section and an actuation assembly so that they rotate radially outward from the central axis of the base. The actuating assembly occupies a channel within the base such that it is free to move in a longitudinal direction. As an external force is applied to the actuation assembly, the actuation assembly engages the tissue expansion members causing them to move in a radial outward direction with respect to the base section. The resulting motion causes the tissue expansion members to contact the tissue walls and/or the occlusion. The tissue expansion members can stretch the tissue walls causing the occlusion to tear, fracture or be disrupted or displaced.